

MILITARY USE OF MIND CONTROL WEAPONS

Governments deny the existence of military devices that can alter brainwaves and emotions, and so they have no official controls over how these technologies are deployed.

by Judy Wall © 1998

First published in
RESONANCE

No. 33, April 1998

684 C. R. 535

Sumterville, FL 33585 USA

Telephone: +1 (352) 793 8748

PSY-OPS WEAPONRY USED IN THE PERSIAN GULF WAR

For years, rumours have persisted that the United States Department of Defense has been engaged in research and development of ultra-sophisticated mind-altering technology. Confirmation of this came to me recently in the form of two ITV News Bureau Ltd (London) wire service bulletins.¹

The March 23, 1991 newsbrief, "High-Tech Psychological Warfare Arrives in the Middle East", describes a US Psychological Operations (PsyOps) tactic directed against Iraqi troops in Kuwait during Operation *Desert Storm*. The manoeuvre consisted of a system in which subliminal mind-altering technology was carried on standard radio-frequency broadcasts. The March 26, 1991 newsbrief states that among the standard military planning groups in the centre of US war planning operations at Riyadh was "an unbelievable and highly classified PsyOps program utilising 'silent sound' techniques".

The opportunity to use this method occurred when Saddam Hussein's military command-and-control system was destroyed. The Iraqi troops were then forced to use commercial FM radio stations to carry encoded commands, which were broadcast on the 100 MHz frequency. The US PsyOps team set up its own portable FM transmitter, utilising the same frequency, in the deserted city of Al Khafji. This US transmitter overpowered the local Iraqi station. Along with patriotic and religious music, PsyOps transmitted "vague, confusing and contradictory military orders and information".

Subliminally, a much more powerful technology was at work: a sophisticated electronic system to 'speak' directly to the mind of the listener, to alter and entrain his brainwaves, to manipulate his brain's electroencephalographic (EEG) patterns and artificially implant negative emotional states—feelings of fear, anxiety, despair and hopelessness. This subliminal system doesn't just *tell* a person to feel an emotion, it *makes* them feel it; it implants that emotion in their minds.²

I noticed that the ITV wire service was from outside the United States. Readers of *Resonance* may recall that in the Electromagnetic Weapons Timeline in issue no. 29, reference is made to the documentary video, *Waco: The Big Lie Continues*, which contained video footage of three EM weapons. This segment of the film was from the British Broadcasting Corporation (BBC). I wondered if there was any significance to this.

At the library I pulled up back issues of my local newspaper for the same time-period of the Gulf War to see what the American wire services had said, if anything, about the use of this special PsyOps weapon. There was nothing said about it directly, but three news articles seemed related. In a news release from Associated Press during the same time-frame of the Gulf War truce, I read:

"The American pilot who shot down the second Iraqi warplane in 48 hours said Friday that continued Iraqi flights suggested that US warnings were not filtering down to Iraqi pilots... He said he hopes Saddam gets the message now. 'It's really too bad that these people have to die for their unwillingness to heed our warnings... What I really think is, they don't communicate down to the people,' he said. 'If they have a communications problem, I suggest they fix it.'"³

That may have been coincidence but two earlier news articles, dated March 1, 1991, apparently have a common origin with the ITV news bulletin. The first article⁴ tells us that approximately 100 members of the US 101st Airborne Division, fluent in Arabic, talked the enemy into surrendering. These soldiers rode in the Apache helicopter gunships that were involved in the longest helicopter-borne assault in history. They told the Iraqi troops that they would be slaughtered if they didn't give up.

"They got the point," one soldier is quoted as saying.

This all sounds very unremarkable, except when you read the editor's note: "The following dispatch was subject to US military censorship." Now why would they want to censor such a mundane tactic, except out of embarrassment that the US Army fighting forces had fallen to the level of a cheer-leading squad?...in which case they would have nixed the thing entirely.

But upon re-reading the article, we may pick out certain key phrases (emphasised in italics):

"He [the soldier interviewed] was one of dozens of Arabic speakers that played a *key role* in the allied ground attack against Iraq, and part of an attempt by the US Army to use finesse, *intelligence work* and tactics to complement brute strength."

If we fill in the missing blanks with such descriptions as "the megaphone was used to direct psychoacoustic frequencies that engaged the neural networks of the enemy's brain, causing him to think any thought and feel any emotion that the Americans chose to lay on him", then it starts to make sense. And it would no longer seem so surprising that one soldier could *talk* 450 enemy soldiers into surrendering. The possibilities are there, and, as the next article⁵ documents, that is exactly what happened. Iraqi troops gave up *en masse*.

We quote: "They were surrendering in droves, almost too fast for us to keep up with..."; "...two Iraqi majors, both brigade commanders, who gave up their entire units..."; and "...one of them gave up to an RPV [remotely piloted vehicle]. Here's this guy with his hands up, turning in a circle to give himself up to a model airplane with a camera in it."

Irrational? Not if there was also a voice being beamed into his head from that little flying toy, saying, "Give up, give up!" Otherwise, how do we account for the editor's note at the beginning of the article: "The following is based on pool dispatches that were subject to military censorship." Without that note, we could smugly think that the Iraqi soldiers were cowards or crazy, but why censor *that* idea?



MIND CONTROL WITH SILENT SOUNDS

The mind-altering mechanism is based on a subliminal carrier technology: the Silent Sound Spread Spectrum (SSSS), sometimes called "S-squad" or "Squad". It was developed by Dr Oliver Lowery of Norcross, Georgia, and is described in US Patent #5,159,703, "Silent Subliminal Presentation System", dated October 27, 1992. The abstract for the patent reads:

"A silent communications system in which nonaural carriers, in the very low or very high audio-frequency range or in the adjacent ultrasonic frequency spectrum are amplitude- or frequency-modulated with the desired intelligence and propagated acoustically or vibrationally, for inducement into the brain, typically through the use of loudspeakers, earphones, or piezoelectric transducers. The modulated carriers may be transmitted directly in real time or may be conveniently recorded and stored on mechanical, magnetic, or optical media for delayed or repeated transmission to the listener."

According to literature by Silent Sounds, Inc., it is now possible, using supercomputers, to analyse human emotional EEG patterns and replicate them, then store these "emotion signature clusters" on another computer and, at will, "silently induce and change the emotional state in a human being".

Silent Sounds, Inc. states that it is interested only in positive emotions, but the military is not so limited. That this is a US Department of Defense project is obvious.

Edward Tilton, President of Silent Sounds, Inc., says this about S-squad in a letter dated December 13, 1996:

"All schematics, however, have been classified by the US Government and we are not allowed to reveal the exact details... ..we make tapes and CDs for the German Government, even the former Soviet Union countries! All with the permission of the US State Department, of course... The system was used throughout Operation *Desert Storm* (Iraq) quite successfully."

The graphic illustration, "Induced Alpha to Theta Biofeedback Cluster Movement", which accompanies the literature, is labelled "#AB116-394-95 UNCLASSIFIED" and is an output from "the world's most versatile and most sensitive electroencephalograph (EEG) machine". It has a gain capability of 200,000, as compared to other EEG machines in use which have gain capability of approximately 50,000. It is software-driven by the "fastest of computers" using a noise-nulling technology similar to that used by nuclear submarines for detecting small objects underwater at extreme range.⁶

The purpose of all this high technology is to plot and display a moving cluster of periodic brainwave signals. The illustration shows an EEG display from a single individual, taken of left and right hemispheres simultaneously. The read-out from the two sides of the brain appear to be quite different, but in fact are the same (discounting normal left-right brain variations).

CLONING THE EMOTIONS

By using these computer-enhanced EEGs, scientists can identify and isolate the brain's low-amplitude "emotion signature clusters", synthesise them and store them on another computer. In other words, by studying the subtle characteristic brainwave patterns that occur when a subject experiences a particular emotion, scientists have been able to identify the concomitant brainwave pattern and can now duplicate it. "These clusters are then placed on the Silent Sound™ carrier frequencies and will silently trigger the occurrence of the same basic emotion in another human being!"

SYSTEM DELIVERY AND APPLICATIONS

There is a lot more involved here than a simple subliminal sound system. There are numerous patented technologies which can be piggybacked individually or collectively onto a carrier frequency to elicit all kinds of effects.

There appear to be two methods of delivery with the system. One is direct microwave induction into the brain of the subject, limited to short-range operations. The other, as described above, utilises ordinary radio and television carrier frequencies.

Far from necessarily being used as a weapon against a person, the system does have limitless positive applications. However, the fact that the sounds are subliminal makes them virtually undetectable and possibly dangerous to the general public.

In more conventional use, the Silent Sounds Subliminal System might utilise voice commands, e.g., as an adjunct to security systems. Beneath the musical broadcast that you hear in stores and shopping malls may be a hidden message which exhorts against shoplifting. And while voice commands alone are powerful, when the subliminal presentation system carries cloned emotional signatures, the result is *overwhelming*.

Free-market uses for this technology are the common self-help tapes; positive affirmation, relaxation and meditation tapes; as well as methods to increase learning capabilities.

In a medical context, these systems can be used to great advantage to treat psychiatric and psychosomatic problems. As a system for remediating the profoundly deaf, it is unequalled. (Promises, promises. This is the most common positive use touted for this technology over the past 30 years. But the deaf are still deaf, and the military now has a weapon to use on unsuspecting people with perfectly normal hearing.)

OFFICIAL DENIALS

In fact, the US Government has denied or refused to comment on mind-altering weapons for years. Only last year, *US News & World Report* ran an article titled "Wonder Weapons"—basically a review of the new so-called 'non-lethal' or 'less-than-lethal' weapons.⁷ Not one word about S-quad, although the technology had been used six years earlier!

Excerpts from the article read:

"Says Charles Bernard, a former Navy weapons-research director: 'I have yet to see one of these ray-gun things that actually works...'; and

"DARPA (Defense Advanced Research Projects Agency) has come to us every few years to see if there are ways to incapacitate the central nervous system remotely,' Dr F. Terry Hambrecht, head of the Neural Prostheses Program at NIH, told *US News*, 'but nothing has ever come of it,' he said. 'That is too science-fiction and far-fetched.'"

It may sound "science fiction and far-fetched" but it is not. However, that is just what the powers-that-be want you to believe, so as to leave them alone in their relentless pursuit of...what?

The idea behind non-lethal weapons is to incapacitate the enemy without actually killing them, or, in the case of riot control

or hostage situations, to disable the participants without permanent injury, *preferably without their knowing it*. The electromagnetic mind-altering technologies would all fall into this class of weapons, but since they are all officially non-existent, who is to decide when and where they will be used?

And why should selected companies in the entertainment industry reportedly be allowed access to this technology when the very fact of its existence is denied to the general public?

As recently as last month [February], this stonewall approach of total denial or silence on the subject still held fast, even toward committees of the US Congress!

The Joint Economics Committee, chaired by Jim Saxton (R-NJ), convened on February 25, 1998 for the "Hearing on Radio Frequency Weapons and Proliferation: Potential Impact on the Economy". Invited testimony included statements by several authorities from the military:

- Dr Alan Kehs, of the US Army Laboratories, discussed the overall RF threat.

- Mr James O'Bryon, Deputy Director of Operational Testing and Director of live fire testing for the Office of Secretary of Defense at the Pentagon, discussed the role of Live Fire Testing and how it plays a role in testing military equipment with RF weapons.

- Mr David Schriener, Principal Engineer of Directed Energy Studies with Electronic Warfare Associates and recently retired as an engineer with a naval weapons testing facility, talked about the difficulty in building an RF weapon and about the terrorist threat.

- Dr Ira Merritt, Chief of Concepts Identification and Applications Analysis Division, Advanced Technology Directorate, Missile Defense and Space Technology Center, Huntsville, Alabama, discussed the proliferation of RF weapons primarily from the former Soviet Union.

Although these statements gave information of technical interest, they are perhaps more important for the information they did *not* give: information on the existence of radio-frequency weapons that directly affect the human brain and nervous system.

KGB PSYCHOTRONICS

This technology did not spring up overnight. It has a long history of development and denials of development—by the US Government and probably half of the other governments of the world as well.

We know that the former Soviet Union was actively engaged in this type of research. In a previous article we reported that during the 1970s the Soviet KGB developed a Psychotronic Influence System (PIS) that was used to turn soldiers into programmable 'human weapons'. The system employed a combination of high-frequency radiowaves and hypnosis. The PIS project was begun in response to a similar training scheme launched in the US by President Carter, according to Yuri Malin, former security adviser to USSR President Gorbachev.⁸

In my *Electromagnetic Weapons Timeline*⁹ I covered a period of 60 years of interest and development in EM weapons—

The idea behind non-lethal weapons is to incapacitate the enemy without actually killing them, or, in the case of riot control or hostage situations, to disable the participants without permanent injury, preferably without their knowing it.

TECHNOLOGY TO BOGGLE YOUR MIND...

This is a listing of various technologies available which can be combined for use in direct or subliminal mind-control systems. Please note that these are mainly private inventions intended for positive uses, but could be applied for negative purposes as well. We have no idea what the government may have in classified research. [This listing has been considerably edited due to space considerations. Ed.]

- Silent Subliminal Presentation System, US Patent #5,159,703, Oliver Lowery, October 27, 1992. A silent communications system in which non-aural carriers in the very low or very high audio-frequency range, or in the adjacent ultrasonic frequency spectrum, are amplitude-modulated with the desired intelligence and propagated acoustically or vibrationally for inducement into the brain.
- Hearing System, US Patent #4,877,027, Wayne Brunkan, October 31, 1989. A method for directly inducing sound into the head of a person, using microwaves in the range of 100 MHz to 10,000 MHz, modulated with a waveform of frequency-modulated bursts.
- Psycho-Acoustic Projector, US Patent #3,568,347, Andrew Flanders, February 23, 1971. A system for producing aural psychological disturbances and partial deafness in the enemy during combat situations.
- Noise Generator and Transmitter, US Patent #4,034,741, Guy Adams and Jess Carden, Jr, July 12, 1977. An analgesic noise-generator.
- Method and System for Altering Consciousness, US Patent #5,123,899, James Gall, June 23, 1992. A system for altering the states of human consciousness involving the use of simultaneous application of multiple stimuli, preferably sounds, having differing frequencies.
- Subliminal Message Generator, US Patent #5,270,800, Robert Sweet, December 14, 1993. A combined subliminal and supraliminal message generator for use with a television receiver; permits complete control of subliminal messages and their presentation. Also applicable to cable television and computers.
- Superimposing Method and Apparatus Useful for Subliminal Messages, US Patent #5,134,484, Joseph Wilson, July 28, 1992.
- Method of Changing a Person's Behavior,

US Patent #4,717,343, Alan Densky, January 5, 1988. A method of conditioning a person's unconscious mind in order to effect desired change in the person's behaviour, and which does not require the services of a trained therapist.

- Auditory Subliminal Message System and Method, US Patent #4,395,600, Rene Lundy and David Tyler, July 26, 1983. An amplitude-controlled subliminal message may be mixed with background music.
- Auditory Subliminal Programming System, US Patent #4,777,529, Richard Schultz and Raymond Dolejs, October 11, 1988.
- Apparatus for Inducing Frequency Reduction in Brain Wave, US Patent #4,834,701, Kazumi Masaki, May 30, 1989.
- Ultrasonic Speech Translator and Communication System, US Patent #5,539,705, M. A. Akerman, Curtis Ayers, Howard Haynes, July 23, 1996. A wireless communication system, undetectable by radio-frequency methods, for converting audio signals, including human voice, to electronic signals in the ultrasonic frequency range, transmitting the ultrasonic signal by way of acoustic pressure waves across a carrier medium, including gases, liquids and solids, and reconvertng the ultrasonic acoustic pressure waves back to the original audio signal. This invention was made with government support under Contract DE-ACO5-84OR21400, awarded by the US Department of Energy to Martin Marietta Energy Systems, Inc.
- Non-Audible Speech Generation Method and Apparatus, US Patent #4,821,326, Norman MacLeod, April 11, 1989.
- Apparatus for Electrophysiological Stimulation, US Patent #4,227,516, Bruce Meland and Bernard Gindes, October 14, 1980.
- Method and Recording for Producing Sounds and Messages to Achieve Alpha and Theta Brainwave States and Positive Emotional States in Humans, US Patent #5,352,181, Mark Davis, October 4, 1994.
- Method and Apparatus for Translating the EEG into Music to Induce and Control Various Psychological and Physiological States and to Control a Musical Instrument, US Patent #4,883,067, Knispel et. al., November 28, 1989.
- Method of and Apparatus for Inducing Desired States of Consciousness, US Patent #5,356,368, Robert Monroe, October 18, 1994. Improved methods and apparatus for entraining human brain patterns, employing frequency-following-response (FFR) techniques and facilitating attainment of desired states of consciousness.

- Method of Inducing Mental, Emotional and Physical States of Consciousness, including Specific Mental Activity, in Human Beings, US Patent #5,213,562, Robert Monroe, May 25, 1993.
- Device for the Induction of Specific Brain Wave Patterns, US Patent #4,335,710, John Williamson, June 22, 1982. Brainwave patterns associated with relaxed and meditative states in a subject are gradually induced without deleterious chemical or neurologic side effects.
- Method and Apparatus for Repetitively Producing a Noise-like Audible Signal, US Patent #4,191,175, William Nagle, March 4, 1980.
- Apparatus for the Treatment of Neuropsychic and Somatic Diseases with Heat, Light, Sound and VHF Electromagnetic Radiation, US Patent #3,773,049, L. Y. Rabichev, V. F. Vasiliev, A. S. Putilin, T. G. Ilina, P. V. Raku and L. P. Kernitsky, November 20, 1973. Don't let the nice title fool you. This is the patent for LIDA, the infamous Soviet brainwashing machine.
- Non-Invasive Method and Apparatus for Modulating Brain Signals through an External Magnetic or Electric Field to Reduce Pain, US Patent #4,889,526, Elizabeth Rauscher and William Van Bise, December 26, 1989.
- Nervous System Excitation Device, US Patent #3,393,279, Gillis Patrick Flanagan, July 16, 1968. A method of transmitting audio information via a radiofrequency signal modulated with the audio info through electrodes placed on the subject's skin, causing the sensation of hearing the audio information in the brain.
- Method and System for Simplifying Speech Waveforms, US Patent #3,647,970, G. Patrick Flanagan, March 7, 1972. A complex speech waveform is simplified so that it can be transmitted directly through earth or water as a waveform and understood directly or after amplification.
- Means for Aiding Hearing, US Patent #2,995,633, Henry Puharich and Joseph Lawrence, August 8, 1961. Means for converting audible signals to electrical signals and conveying them to viable nerves of the facial system.
- Means for Aiding Hearing by Electrical Stimulation of the Facial Nerve System, US Patent #3,170,993, Henry Puharich, February 23, 1965.
- Hearing Device, US Patent #4,858,612, Philip Stocklin, August 22, 1989. A method and apparatus for simulation of hearing in mammals by introduction of a plurality of microwaves into the regions of the auditory cortex.

information gathered from the many articles and news clippings sent in by readers of *Resonance*. In my article on synthetic telepathy¹⁰ I traced the development of the 'voice in your head' technology dating back to 1961, all my references coming from the open scientific literature.

POWER OF THE MILITARY-INDUSTRIAL COMPLEX

Jan Wiesemann has written an apt description of the situation which now exists in the United States, about the 'forces that be' and how the situation came about:

"During the Cold War the United States not only engaged in a relatively open nuclear arms race with the Soviet Union, but also engaged in a secret race developing unconventional weapons. As the intelligence agencies (which prior to the Second World War had merely played a supporting role within the government) continued to increase their power, so did the funds spent on developing techniques designed to outsmart each other.

"And as the US intelligence community began to grow, a secret culture sprang about which enabled the intelligence players to implement the various developed techniques to cleverly circumvent the democratic processes and institutions...

"Like many other democracies, the US Government is made up of two basic parts: the elected constituency, i.e., the various governors, judges, congressmen and the President; and the unelected bureaucracies, as represented by the numerous federal agencies.

"In a well-balanced and correctly functioning democracy, the elected part of the government is in charge of its unelected bureaucratic part, giving the people a real voice in the agenda set by their government.

"While a significant part of the US Government no doubt follows this democratic principle, a considerable portion of the US Government operates in complete secrecy and follows its own unaccountable agenda which, unacknowledged, very often is quite different from the public agenda."¹¹

Jan goes on to quote one of the United States' most popular war heroes: Dwight D. Eisenhower, who served as

Supreme Commander of Allied Forces during World War II and was later elected 34th President of the United States. In his farewell address to the nation in 1961, President Eisenhower said:

"...we have been compelled to create a permanent armaments industry of vast proportions. Added to this, three and a half million men and women are directly engaged in the defence establishment. We annually spend on military security more than the net income of all United States corporations.

"This conjunction of an immense military establishment and a large arms industry is new in the American experience. The total influence—economic, political, even spiritual—is felt in every city, every state house, every office of the federal government. We recognise the imperative need for this development. Yet we must not fail to comprehend its grave implications. Our toil, resources and livelihood are all involved; so is the very structure of our society.

"In the councils of government, we must guard against the acquisition of unwarranted influence, whether sought or unsought, by the military-industrial complex. The potential for the disastrous rise of misplaced power exists and will persist. We must never let the weight of this combination endanger our liberties or our democratic processes."

INTERNATIONAL CONCERNS OVER NEW WEAPONS

The United Nations was established in 1945 with the aim of "saving succeeding generations from the scourge of war". In 1975 the General Assembly considered a draft first proposed by the Soviet Union: "Prohibition of the Development and Manufacture of New Types of Weapons of Mass Destruction and New Systems of Such Weapons".

In 1979 the Soviet Union added a list of some types of potential weapons of mass destruction:

- 1) Radiological weapons (using radioactive materials) which could produce harmful effects similar to those of a nuclear explosion;
- 2) Particle beam weapons, based on charged or neutral particles, to affect biological targets;
- 3) Infrasonic acoustic radiation weapons;
- 4) Electromagnetic weapons operating at certain radio-frequency radiations which could have injurious effects on human organs.¹²

In response, the US and other Western nations stalled. They gave a long, convoluted reason, but the result was the same.

In an article entitled "Non-Lethal Weapons May Violate Treaties",¹³ the author notes that the Certain Conventional Weapons Convention¹⁴ covers many of the non-conventional weapons—"those that utilize infrasound or electromagnetic energy (including lasers, microwave or radio-frequency radiation, or visible light pulsed at brainwave frequency) for their effects".

Harlan Girard, Managing Director of the International Committee Against Offensive Microwave Weapons, told me he believes the strategy behind the government's recent push for less-than-

lethal weapons is a subterfuge. The ones that are now getting all the publicity are put up for scrutiny to get the public's approval. The electromagnetic mind-altering technologies are not mentioned, but would be brought in later under the umbrella of less-than-lethal weapons.

These weapons were recently transferred from the Department of Defense over to the Department of Justice. Why? Because there are several international treaties that specifically limit or exclude weapons of this nature from being used in international warfare.

In other words, weapons that are barred from use against our country's worst enemies (notwithstanding the fact that the US *did* use this weapon against Iraqi troops!) can now be used against our own citizens by the local police departments against such groups as peaceful protestors of US nuclear policies.

There is evidence that the US Government has plans to extend the range of this technology to envelop all peoples, all countries.

This can be accomplished, is being accomplished, by utilising the nearly completed HAARP project for overseas areas and the GWEN network now in place in the US.

TOWARDS GLOBAL MIND CONTROL

The secrecy involved in the development of the electromagnetic mind-altering technology reflects the tremendous power that is inherent in it. To put it bluntly, whoever controls this technology can control the minds of men—all men.

There is evidence that the US Government has plans to extend the range of this technology to envelop all peoples, all countries. This can be accomplished, is being accomplished, by utilising the nearly completed HAARP project^{15,16} for overseas areas and the GWEN network now in place in the US. The US Government denies all this.

Dr Michael Persinger is a Professor of Psychology and Neuroscience at Laurentian University, Ontario, Canada. You have met him before in the pages of *Resonance* where we reported on his findings that strong electromagnetic fields can affect a person's brain.

"Temporal lobe stimulation," he said, "can evoke the feeling of a presence, disorientation, and perceptual irregularities. It can activate images stored in the subject's memory, including nightmares and monsters that are normally suppressed."¹⁷

Dr Persinger wrote an article a few years ago, titled "On the Possibility of Directly Accessing Every Human Brain by Electromagnetic Induction of Fundamental Algorithms".¹⁸ The abstract reads:

"Contemporary neuroscience suggests the existence of fundamental algorithms by which all sensory transduction is translated into an intrinsic, brain-specific code. Direct stimulation of these codes within the human temporal or limbic cortices by applied electromagnetic patterns may require energy levels which are within the range of both geomagnetic activity and contemporary communication networks. A process which is coupled to the narrow band of brain temperature could allow all

normal human brains to be affected by a subharmonic whose frequency range at about 10 Hz would only vary by 0.1 Hz."

He concludes the article with this:

"Within the last two decades a potential has emerged which was improbable, but which is now marginally feasible. This potential is the technical capability to influence directly the major portion of the approximately six billion brains of the human species, without mediation through classical sensory modalities, by generating neural information within a physical medium within which all members of the species are immersed.

"The historical emergence of such possibilities, which have ranged from gunpowder to atomic fission, have resulted in major changes in the social evolution that occurred inordinately quickly after the implementation. Reduction of the risk of the inappropriate application of these technologies requires the continued and open discussion of their realistic feasibility and implications within the scientific and public domain."

It doesn't get any plainer than that. And we do not have open discussion because the US Government has totally denied the existence of this technology.

Acknowledgements

I would like to give special thanks to: Jan Wiesemann for sending the Silent Sounds™ statement and patents which were the keystone of this article; Mike Coyle, whose computer search turned up many more related patents; Harlan Girard, who has provided numerous official government documents; and to the many who have provided newspaper clippings and articles, moral and financial support to *Resonance*, without which we'd have ceased publication long ago.

About the Author:

Judy Wall is Editor and Publisher of *Resonance*, the Newsletter of the Bioelectromagnetics Special Interest Group.

Endnotes

1. Jan Wiesemann of Germany sent me a copy of a letter from Silent Sounds, Inc., which directed the reader to their computer website. The ITV news item and EEG graph can be seen there, along with other material, if the government has not shut them down.
2. Silent Sounds, Inc. website <<http://www.mindspring.com/~silent>>.
3. Leder, Edith M., "Allies Blast 2nd Jet", Associated Press, *The Daily Commercial*, Leesburg, FL, USA, March 23, 1991.
4. Pomfret, John, "Linguists Fought Battles Using Megaphones", Associated Press, *The Daily Commercial*, March 1, 1991.
5. Crary, David, "Soldiers Recount Most Memorable Iraqi Surrenders", Associated Press, *The Daily Commercial*, March 1, 1991.
6. This sounds like the Cray supercomputer—one of which, incidentally, is located at the University of Alaska where it is used by the Department of Defense in conjunction with HAARP. Source: Begich and Manning, *Angels Don't Play This HAARP*, pp. 99-100; see endnote 15.
7. Pasternak, Douglas, "Wonder Weapons", *US News & World Report*, July 7, 1997, pp. 38-46.
8. "KGB Used PIS to Program Soldiers", *Resonance*, no. 30, March 1996, p. 29.

- Source: *Fortean Times*, no. 83, p. 13; item quoting a TV program about the Psychotropic Influence System, broadcast by ARD, Germany, May 1995.
9. Wall, Judy, "Electromagnetic Weapons", *Resonance*, no. 29, May 1995, pp. 27-33.
 10. Wall, Judy, "Synthetic Telepathy", *Resonance*, no. 29, May 1995, pp. 17-26.
 11. Wiesemann, Jan, "Unwitting Political Assassins: Clandestine Methods and Techniques applied by US Intelligence to covertly manipulate unwitting individuals to carry out or participate in political assassinations" (Masters thesis), International Relations, University of Birmingham, UK.
 12. *The United Nations and Disarmament, 1945-1985*, United Nations publication, 1985, sales no. E.8S.IX.6, pp. ix, 115. Thanks to Cheryl Welsh of Citizens Against Human Rights Abuses, for a copy this information via Harlan Girard.
 13. Rosenberg, Barbara Hatch, "Non-Lethal Weapons May Violate Treaties", *The Bulletin of the Atomic Scientists*, September-October 1994, pp. 44-45.
 14. Rosenberg gives the full name of this treaty as "Convention on Prohibition or Restriction of the Use of Certain Conventional Weapons which may be deemed to be Excessively Injurious or to have Indiscriminate Effects".
 15. Begich, Nick, PhD and Jeane Manning,

- Angels Don't Play This HAARP: Advances in Tesla Technology* (1995), Earthpulse Press, PO Box 201393, Anchorage, AK 99520, USA. See also *Resonance*, no. 30, pp. 9-22.
16. HAARP is the acronym for High-frequency Active Auroral Research Project.
 17. "Earthquakes May Affect Brain", *Resonance*, no. 29, p. 35.
 18. Persinger, M. A., "On the Possibility of Directly Accessing Every Human Brain by Electromagnetic Induction of Fundamental Algorithms", *Perceptual and Motor Skills*, June 1995, vol. 80, pp. 791-799.

Note:

This article was first published in *Resonance* (no. 33, April 1998), and has been considerably edited because of space considerations. *Resonance* is the Newsletter of the Bioelectromagnetics Special Interest Group (BEM SIG) of American Mensa Ltd. Full membership in the BEM SIG is restricted to Mensa members. Non-Mensans may be Associate members, entitled to two issues of *Resonance* and a 24-page Bibliography of BEM topics. Annual fee is USD\$10 in USA, USD\$13 in Canada and Mexico, USD\$15 elsewhere. Contact *Resonance*, 684 C.R. 535, Sumterville, FL 33585, USA, telephone +1 (352) 793 8748.